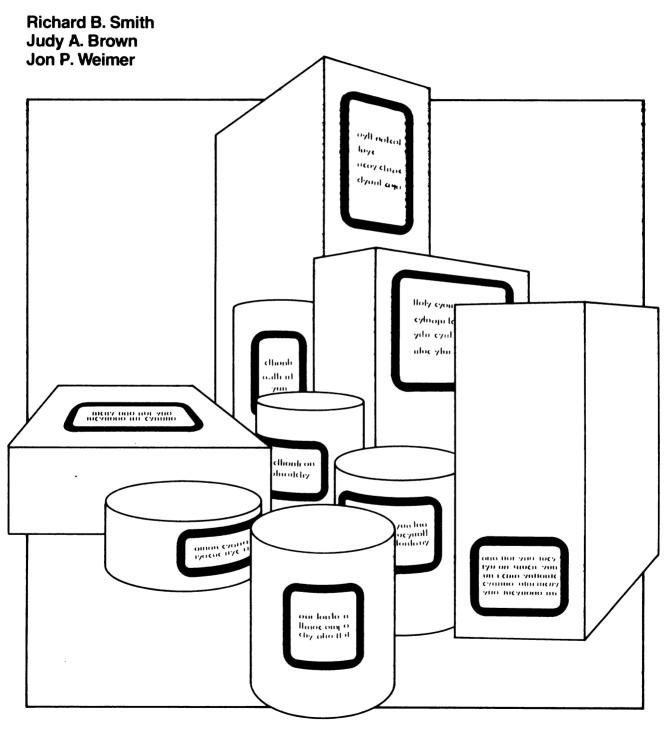
Consumer Attitudes Toward Food Labeling and Other Shopping Aids



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ABSTRACT

Most shoppers need and want food labeling and other shopping aids, according to national surveys held in 1976 and 1977 to examine consumer food-related behavior. Survey results also indicate that open dating and individually priced food packages are particularly important to food shoppers. They want more food-storing instructions and nutrition data, while calling for prethaw information on frozen food packages. Shoppers in large households and those with children have a significantly greater interest in most of the shopping aids. Male shoppers, the elderly, and the less educated are least influenced by labeling information.

Keywords: Food shopper, Labeling information, Shopping aid.

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SUMMARY

Food shoppers are highly interested in food labeling information and other shopping aids, according to results of national surveys in 1976 and 1977 to analyze consumer food-related behavior.

Shoppers expressed greatest interest in open dating and price information on food packages. Interest ran high for evidence on whether a frozen food product had thawed prior to purchase. Slightly less interest was expressed in storing instructions, USDA grading of processed fruits and vegetables, and ingredient information. Successively declining interest was indicated in nutrition information, unit pricing, and name of manufacturer.

Information on drained weight of canned food was least important. However, a comparison between 1976 and 1977 survey data points to increased importance for drained weight, nutrition information, and proper storage instructions.

Consumers scored most food shopping aids relatively high, but their actual use of some aids indicates that the interest is somewhat overstated, especially on ingredient and nutrition information. There was little discrepancy, however, between shoppers' interest in and their actual use of open dating and unit pricing.

Larger households and those with children expressed significantly more interest in nearly all the shopping aids studied, except name of manufacturer, than the one- and two-member households. Open dating, storing instructions, and nutrition information were especially important to households with children. The elderly, male shoppers, and those with no high school education were more likely to indicate that most shopping aids were not particularly useful to them.

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Richard B. Smith, Judy A. Brown, and Jon P. Weimer*

INTRODUCTION

Food-related information is increasingly being made available to consumers. The reasons vary, spurred in part by health concerns. For example, the Food and Drug Administration's (FDA) ban on certain food dyes, anxiety about some food preservatives, the rising health costs, and reports of possible links between food consumption habits and health problems have undoubtedly been partially responsible for the implementation of ingredient and nutrient information. Increased emphasis on the shopper's right-to-know and escalating food prices no doubt have contributed to unit pricing, open dating, and other shopping information.

This study measures shopper interest in food labeling and other selected food shopping aids. Primary attention focuses on consumer perception of the relative importance of the various shopping aids. Different demographic groups are isolated for analysis to determine those benefiting most from specific labeling information because shopping aids generally add to food costs. The findings should help Federal and State legislators as they consider food labeling legislation. Those involved in consumer education efforts and improved marketing procedures may draw on these findings.

A two-phase national survey was conducted during the spring of 1976 and the first quarter of 1977 to examine consumer food-related behavior, attitudes, and motives. 1/Questions concerning the usefulness of food shopping aids were asked by personal interview. The respondents (mainly food shoppers) also were asked about their actual use of nutrition and ingredient information on food packages. The 1976 respondents were asked more indepth questions about their use of open dating and unit pricing, while the 1977 respondents answered additional questions about uniform meat names. Each phase included demographic information such as respondent age, education, and total family income. Some FDA information is the source for certain data and complements information from the U.S. Department of Agriculture (USDA).

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^{1/} The Response Analysis Corporation, Princeton, N.J., managed the survey under contract to the former Economic Research Service (now part of the Economics, Statistics, and Cooperatives Service), U.S. Department of Agriculture.

LEVEL AND CHANGE IN USEFULNESS OF FOOD LABELS AND OTHER SHOPPING AIDS

The usefulness of labels and other shopping aids was measured on a five-point scale: extremely useful, very useful, somewhat useful, not too useful, and not at all useful. Unsure responses to usefulness are excluded from this report.

The expressed usefulness score might be affected if shoppers were aware of the costs included in providing each shopping aid—an item difficult to measure. Certainly, some such information as marked prices on each package is more expensive to incorporate than such others as manufacturer's name or uniform meat names. Pricing individual packages requires relatively more labor than the use of a mechanical device which stamps the manufacturer's name on a label. No attempt is made in this study, however, to examine costs of the labeling information or to alert food shoppers to the possible costs involved.

Nine different labels or shopping aids were examined in the 1976 phase of the survey, compared with 12 in the 1977 phase. Table 1 summarizes the expressed opinions from about 1,400 households in each phase.

Package dates and prices appeared highly useful to nearly all the food shoppers. About two-thirds in each phase indicated these shopping aids were or might be extremely useful. Another one-quarter of the respondents said this information was very useful.

The 1977 survey showed about 85 percent of the respondents interested in an indication of whether frozen food had thawed and was refrozen (this information was not yet available in the United States). About a third of the shoppers in both surveys found uniform meat names and instructions for food storage extremely useful; another 40 percent indicated such information is very useful. Interest in storage instructions apparently increased between 1976 and 1977. A third of the 1977 shoppers indicated such instructions would be extremely useful compared with 27 percent in 1976.

Nearly 70 percent of the shoppers considered USDA grades for frozen and canned fruits and vegetables (asked only in the second phase) extremely or very useful. However, a previous USDA study found that USDA meat and poultry grades are often confused with USDA inspection and other grades $(6) \cdot 2$. Therefore, some of the interest in canned and frozen fruit and vegetable grades may partially reflect interest in USDA inspection.

Both ingredient and nutrition information were considered extremely or very useful by about two-thirds of the respondents in the 1977 survey. Only 55 percent of the 1976 shoppers indicated nutrition information was extremely or very helpful to them, which suggests consumer interest in nutrition information may be increasing.

Unit pricing also appears to be gaining in popularity. Sixty-two percent of the food shoppers in the 1977 survey indicated unit pricing was or might be extremely or very useful, compared with 56 percent of the shoppers in 1976.

Name of the food manufacturer (1976 and 1977 phases) and an indication of a wax or preservative coating on fresh fruits and vegetables (1977 phase only) were each thought to be extremely or very useful by slightly more than half of the respondents. Wax or preservative coating apparently held very little or no use for 30 percent; name of manufacturer was similarly rated by about 20 percent.

²/ Underscored numbers in parentheses refer to references listed at the end of this study.

Table 1--Food shopper opinions about the usefulness of different food labels and other shopping aids

	<u>.</u>			Us	efulnes	 SS			_Obser-
Shopping aid	:		·	4		: Not	:	NT -	_obser vations
and years	:	Extremely	Very	' :	what	: NOE	:	Never	: 1/
	:			Per	cent				Number
Dates on package:	:								
1977	:	65	27		5	2		1	1,423
1976	:	66	24		6	2		2	1,405
Price on packages:	:								
1977	:	65	25		7	2		1	1,430
1976	:	71	21		5	1		2	1,409
Indication if frozen	:								
product thawed:	:								
1977	:	60	26		7	4		3	1,407
Uniform meat names:	:								
1977	:	36	41		12	7		3	1,415
1976	:	37	36		14	8		6	1,389
Instructions on	:								
storing:	:								
1977	:	33	39		14	10		Z _F	1,424
1976	:	27	38		18	10		7	1,408
USDA-graded processed	:								
fruit and vegetables;	:								
1977	:	31	38		17	10		4	1,407
Ingredient information:	:								
1977	:	30	37		21	9		3	1,424
1976	:	33	32		20	10		5	1,410
Nutrition information:	:								
1977	:	31	32		22	10		5	1,422
1976	:	23	32		24	13		8	1,399
Unit pricing:	:								
1977	:	26	36		17	14		7	1,388
1976	:	-26	30		19	13		12	1,344
Name of manufacturer:	:								
1977	:	23	30		28	14		5	1,418
1976	:	23	31		24	16		6	1,408
Indication if wax or	:								
preservative coating:	:								
1977	:	23	29		18	20		10	1,391
Drained weight:	:								
1977	:	19	26		21	23		11	1,411
1976	:	11	19		24	27		19	1,385
	:								

 $[\]frac{1}{2}$ The total number of observations were 1,417 in 1976 and 1,033 in 1977. Calculated positions are based on number of respondents who gave a definitive answer: those are excluded who stated "don't know" or were "not sure."

Drained weight of canned food—considered the least favorable of any of the shopping aids examined—was thought to be extremely or very useful by 45 percent of the shoppers in 1977. This information, like wax coating or name of manufacturer information, applies only to certain food items, in this case to those processed with liquid. Only 30 percent had indicated drained weight would be extremely or very useful in 1976, so interest in drained weight on food labels apparently increased. Part of the 15-point difference, however, may reflect the question's location in the earlier phase. In that survey, the question was the first one asked, and there was no rotation of questions as in the second phase.

The California and New York Consumer Affairs Departments found that a large majority of 1976 shoppers favored drained weight on food labels $(\underline{1})$. However, consumers may indicate they are for a shopping aid and yet not actually use it in making purchase decisions.

WHICH SHOPPERS BENEFIT FROM LABELING INFORMATION?

Some shoppers may be benefiting at the expense of others who infrequently or never use labeling information. There are costs for providing the labels or shopping aids, and it is likely that most of these costs are passed through to consumers.

Respondents were categorized according to sex, age, education, employment, family income, change in income, estimated per capita income, household size, households with children, region, community size, and urbanization level. Differences in expressed usefulness of scores among the different groups helped identify primary beneficiaries of labeling information and other shopping aids.

Average usefulness scores were computed for each type of food shopping aid examined. The numerical scales were: 5--extremely useful; 4--very useful; 3--somewhat useful; 2--not too useful; and 1--not at all useful. Figure 1 depicts the satisfaction scores averaged for all respondents in both surveys.

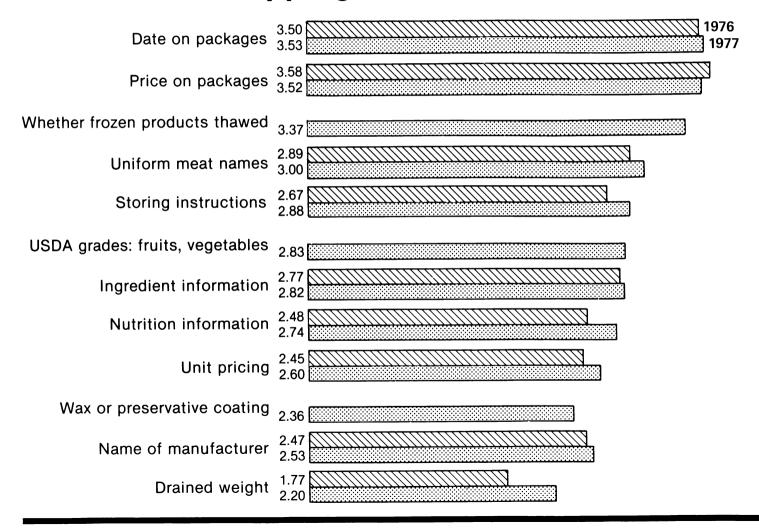
Results for nine shopping aids studied in 1976 are presented in appendix tables 1 through 9. Results for 12 shopping aids studied in 1977 appear in appendix tables 10 through 23. The level of urbanization was not noted in the 1977 phase; and five age groups were identified in 1977 and six age groups in 1976.

Size of Household and Children's Presence

Usefulness of all 12 second-phase shopping aids differ significantly by household size, except for name of manufacturer. Households with one or two members generally expressed significantly lower interest in food shopping information. For example, the average usefulness score associated with proper storing instructions was 2.54 in one-member households in 1977, compared with 3 for households with three or more members (appendix table 13). A low food budget for the small households may be responsible for less interest in food shopping information than expressed by households with more members. These results conform to those found in a smaller 1970 study by Safeway, Inc., which also found greater use of unit pricing among larger households (4, p. 18).

Food labeling interest increased when children were part of the household. This characteristic, of course, is related to household size, since most households with children have three or more members. Average usefulness scores for all the shopping aids, except name of manufacturer and USDA grading of canned or frozen fruits and vegetables, were significantly higher in households with children. Particularly large differences in mean scores showed for open dating, storing instructions, and nutrition

Average Usefulness Score of Labeling and Other Food Shopping Aids, 1976 and 1977



information in both the 1976 and 1977 phases (appendix tables 1, 4, 6, 10, 13, and 15, respectively for years and items).

Age and Education of Respondent

The usefulness of most shopping aids also was found to differ significantly by age and education of food shoppers. Those near or past retirement age and those with no high school education indicated a lower level of usefulness for the labeling information than younger and more highly educated shoppers. Some of the older respondents may have been more brand-conscious, but many apparently were unfamiliar with the labeling information or did not know how to use it.

One exception was price on food packages in the 1977 phase. Interest in this information approached the same for the elderly and the young, and it was about the same for the college graduate as for the person with an elementary education (table 6). In the 1976 phase, interest in price on the package was found to be slightly higher for the more educated and those under 65 years of age (appendix table 2).

Other studies also have found greater interest in or use for food labeling information among younger and more highly educated shoppers. For food information labels in general, FDA concluded that the better educated consumers differed from the less educated in at least two respects: they look for more things on the label, and they are more sensitive to economic information and descriptions of contents (4, p). Safeway's survey also found that unit price information was used more by the college educated (3).

The 1973 FDA study found that people over 64 years of age were divided concerning nutrition labeling. This age group had the highest percentage of those reading almost all the labels, as well as those reading none. FDA's explanation for this dichotomy was that the one group may be conscious of ingredient labels for dietary reasons, and the other group may not be shopping for themselves. However, elderly persons may simply prefer certain types of foods regardless of their nutritional aspects.

Sex of Respondent

Slightly more than 10 percent of the primary food shoppers in the study were male. Primary food shoppers are those who do half or more of the food shopping.

Male shoppers exhibited little interest in shopping aids; this was evident for 8 of 12 shopping aids that averaged highest in overall usefulness in 1977. Male and female shoppers differed significantly on nine shopping aids studied in 1976, excluding name of manufacturer. Female shoppers, in particular, were more interested in open dating, storing instructions, nutrition information, and prices on packages. Women seem to be more careful shoppers than men, according to the 1975 FDA study ($\underline{8}$, p. 80).

Total Family Income

Expressed usefulness of many of the shopping aids also differed by income level. Differences in average usefulness were found between those households with total family income below \$5,000 and those with \$25,000 or more. For example, average scores for open dating in the lowest income group was 3.17 in 1976 and 3.36 in 1977. This compares with 1976-77 scores of 3.71 and 3.75, respectively, for those in the highest income group (appendix tables 1 and 10).

Other shopping aids holding little interest for lower income households in 1977 included an indication of whether a frozen product had thawed, uniform meat names, and storing instructions. The lack of interest in proper storing instructions and uniform meat names appears reasonable, since lower income families typically store less food at home and are often limited in the number and kinds of meat cuts they can afford. 3/Unit pricing and nutrition labeling were used primarily by higher income groups, according to earlier studies by Cornell University and FDA (2, 8).

Region and Other Demographics

Interest in most of the shopping aids also differed by regions of the United States. Shoppers in the South typically had slightly lower interest in many of the shopping aids than shoppers in other regions, probably reflecting differences in education and age. Nearly two-fifths of the shoppers in the 1977 survey who were 55 years of age or older were located in the South. Similarly, 44 percent of the respondents with no high school education were from the South, compared with 25 percent from the North Central, and 11 percent from the West.

The usefulness scores associated with storage instructions averaged 3.14 in the Northeast in 1977, compared with 2.74 in the South (appendix table 13). Unit pricing scores ranged from 2.44 in the South to 2.81 in the West (appendix table 16).

FDA concluded from its 1973-74 study that individuals living in the West are better informed about nutrition than those living elsewhere (7, p. 25). The 1975 FDA study showed shoppers in the South using nutrition information fewer times than shoppers in other regions (8, p. v).

Usefulness of shopping aids by other demographic variables was less noticeable. Employed shoppers (either full- or part-time) appeared to have more interest than those unemployed about whether a frozen product had thawed (appendix table 19). In 1977, unit pricing and an indication of whether fresh fruits and vegetables were wax coated were rated more useful by shoppers living in large metropolitan areas (appendix tables 16 and 21). This may reflect less opportunity for home-grown fruits or vegetables, as well as a greater opportunity for comparison shopping where several supermarkets are typically located near each other in large metropolitan areas.

ACTUAL HOUSEHOLD EXPERIENCE WITH SELECTED SHOPPING AIDS

This section examines how shoppers actually use labeling information.

Unit Pricing and Open Dating

Food shoppers in 1976 were asked if they had seen unit pricing in stores where they shop. 4/ They were provided a card displaying different types of unit pricing

^{3/} About 65 percent of the shoppers with family income of \$15,000 or more always or almost always stored extra food items they could buy at lower prices, compared with 56 percent of those with incomes below \$5,000.

⁴/ More complete information on unit pricing was reported in (5). Percentages cited in that publication are based on the total number of respondents asked a question (regardless if they gave a definitive answer); thus, the percentages differ slightly from those cited in this report.

labels used in supermarkets prior to answering questions. Nearly one-fourth indicated they had not seen unit pricing in the stores where they shopped. Thirty percent of the total sample of shoppers said they always looked for unit prices while shopping, and 33 percent looked sometimes. Thus, 63 percent of the shoppers indicated they used this aid, while 13 percent indicated they never used it. These figures are fairly close to the expressed usefulness figures presented earlier—56 percent indicating that it was extremely or very useful, and 12 percent indicating it would not be at all useful to them. The 1975 FDA study found that 41 percent of the consumers looked for unit-pricing information the last time they went shopping (8).

Ninety percent of the 1976 respondents claimed to have looked for open dating, and 52 percent always looked for it; 10 percent of the shoppers said they never looked for dates on packages. Again, these proportions are somewhat comparable to those obtained when respondents were asked how useful this tool would be for them--90 percent saying it was or would be extremely or very useful, and 2 percent indicating it would not be useful at all to them. Responses to questions concerning unit pricing and open dating are shown below:

Item	Yes	No	Always	Sometimes	Never	Observations
			Perc	ent		Number
Have seen unit prices in stores	77	23				1,322
How often look for unit prices $\frac{1}{2}$			30	33	13	1,322
How often look for dates on food packages			52	38	10	1,403

1/ Not all respondents answered this question.

Nutrition and Ingredient Information

Actual use of nutrition and ingredient information appears to be somewhat less than what the expressed usefulness scores suggest. In 1977, 63 and 67 percent of the shoppers indicated that nutrition and ingredient information, respectively, would be extremely or very useful to them. Forty-four and 53 percent of the shoppers indicated they actually use nutrition and ingredient information always or almost always when they purchased a product for the first time. Responses regarding these questions appear below:

It em	Always	Almost always	Sometimes	Seldom	Never	Observations
Check for labels for ingredients before purchasing a product the first time:		<u>I</u>	Percent			<u>Number</u>
1977 1976 Read nutrition informa- tion provided on food packages before pur- chasing a product	31 33	22 18	24 22	11 9	12 18	1,428 1,411
the first time: 1977 1976	24 14	20 15	24 31	15 13	17 27	1, 4 26 1,412

The 1975 FDA study found that one-third of the consumers used nutrition labeling to make choices between different foods. Forty-six percent used ingredient information for the same purpose.

As can be seen, there are some discrepancies between expressed usefulness of some of these shopping aids and indications of actual use of these aids. These discrepancies, however, are not demonstrative and could be ascribed to several factors. It is difficult to relate respondents' opinions and attitudes directly to their actual behavior. For example, just because a shopper feels that a particular shopping aid would be extremely useful does not necessarily verify the need for the aid at that time; it could be an aid that has potential value some time in the future. A shopper indicating that a shopping aid is of limited use, on the other hand, might later find it quite useful.

Further, the structure of an attitude/opinion question requires a different response category than does a question that gleans information about behavior, thus making it difficult to collate answers to the two questions. Is an "extremely useful" or "very useful" response to an opinion question comparable to an "always use" response to a question reflecting the respondent's behavior?

These inherent difficulties may preclude ever attaining a one-to-one congruency in answers. It would still be somewhat disconcerting if, for example, a majority of the shoppers indicate that open dating is extremely or very useful to them, and yet other evidence shows that a majority of these same shoppers never actually look for dates on a package. However, such large discrepancies did not occur for the selected shopping aids examined.

CONCLUSIONS AND IMPLICATIONS

The expressed importance of food labeling information varies by type of information or label. The higher usefulness score for prices on individual food packages suggests potential consumer relation problems for food retailers wishing to discontinue showing prices on individual food items. Open dating procedures may also need to be examined by some food processors who stamp dating codes that are not easily understood on products.

Some new labeling information, not as yet available to shoppers, appears to be of relatively high shopper interest, such as whether a frozen product had ever thawed prior to purchase.

The results do suggest some shopping aids are gaining in perceived importance among consumers, although there are some risks involved in projecting from 2 years of data. Nutrition information, instructions for proper storing, and drained weight of a canned food item seemed to be more important to shoppers in 1977 than 1976. However, among the shopping aids selected, the drained-weight information still appeared to be of lesser importance to most shoppers than other shopping aids.

The food labeling information seems less useful to the elderly and to the less educated. More aggressive public information programs directed toward these groups and improved educational efforts in schools could increase consumer awareness of the various shopping aids, and how the shopper may use them to improve food shopping decisions and prepare nutritious meals.

Questions on monetary redistribution arise because some groups such as the elderly and the less educated find labeling information to be less useful. To the extent that

the costs of food shopping aids are passed through to the shoppers, many are paying for information others (the educated and those less than 65 years old) find useful. Increased mandatory food labeling information would result in higher food costs without compensating benefits for many in these groups; thus, more effort is required to inform the elderly and less educated.

The degree of expressed interest in selected shopping aids available in stores is not always congruent with data on actual use of these aids by shoppers. Such discrepancies, however, are not large. Further, if found to be large, they would not necessarily invalidate these indexes of interest because these shopping aids, although not always used, may offer comfort to the shopper by their very existence, especially on a first-time purchase or brand change.

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APPENDIX--Survey Procedure

The procedure used for the survey was to divide the 48 conterminous States into small geographic segments, each consisting of a cluster of about 20 housing units, and make a systematic random selection of 200 such clusters. Probability methods were used at each stage of sample selection; thus, interviewers had no choice in which households were selected for study.

Altogether, 2,200 households made up the national sample for the first phase, and 2,141 households for the second. Of these numbers, 1,966 were selected as eligible for the first phase, and 1,985 were selected for the second. Most of the ineligible units were vacant, several reported no food was purchased for consumption in the household, and the remainder, such as military establishments, were atypical.

The completion rate among the eligible housing units was 72 percent for both phases (appendix table 22). Most of those not completed resulted from refusals and no one being home despite several callbacks.

Individual responses were weighted to reflect differences in completion rates for different geographic regions and sizes of communities. The completion rate scored highest in the South and lowest in the Northeast and West for the first phase (appendix table 23). The completion rate was also higher in the South for the second phase. However, the North Central had the lowest rate in the second phase reflecting, in part, the severe winter weather.

The questionnaire completion rate was significantly greater in the rural areas than in the large metropolitan areas. More than four-fifths of the households in rural nonstandard metropolitan statistical areas (SMSA) completed questionnaires, compared with two-thirds of the households in large SMSAs (appendix table 24). 5/

^{5/} Except in New England States, a standard metropolitan statistical area is a county or group of contiguous counties which contain at least one city of 50,000 inhabitants or more, or twin cities with a combined population of at least 50,000. In New England States, SMSAs consist of cities and towns instead of counties.

Appendix table 1--Usefulness of dates on food packages, by 12 demographic variables, 1976

Demographic	:		Useful		Man -	≟ ₀,	: Average	
variables	Extreme	ly:Very	Somewhat	Not too	Not at	Obser- vations	usefulnes	sivalue 1/
	:		-Percent-		<u>a11</u>	Number	Score	Value
Sex:								
Female	: 69	23	5	2	1	1,247	3.57	65.68**
Male	: 42	35	12	5	6	158	3.00	
Age:	:							
Under 25	: 65	29	5	1	0	186	2.56	21.85**
25-34	: 77	19	3	1	0	337	3.71	
35-44	: 70	25	3	2	0	239	3.63	
45-54	: 65	24	6	3	2	229	3.49	
55-64	: 60	27	8	2	3	211	3.37	
65 plus	: 50	28	10	5	7	193	3.08	
Education:	. 50	20	10	,	,	173	3.00	
	: 47	27	12	7	7	207	2.98	34.54**
Elementary or less	: 60	29	6	3	2	225	3.43	34.34
Some high school	: 60	29	O	3	۷	223	3.43	
High school	:	0.1	r	1	,	E 2.0	2 60	
graduate	: 69	24	5	1	1	538	3.60	
Vocational or	:		_	_		250	0.60	
some college	: 71	24	3	1	1	258	3.63	
College graduate	: 77	19	3	0	1	172	3.71	
Employment:	:							
Yes	: 66	25	6	1	2	565	3.54	3.21
No	: 65	24	6	3	2	836	3.48	
Family Income:	:							
Under \$5,000	: 53	26	11	5	5	217	3.17	13.17**
\$5,000-\$9,999	: 59	31	6	2	2	272	3.41	
\$10,000-\$14,999	: 72	21	5	1	1	282	3.63	
\$15,000-\$24,999	: 69	26	3	1	1	274	3.63	
\$25,000 or more	: 77	17	5	0	1	143	3.71	
Change in income,	•							
1976 versus 1975:								
Higher	: 70	22	4	2	2	496	3.58	3.70*
About the same	: 63	25	7	2	3	605	3.44	- • • •
	: 63	28	7	2	0	231	3.51	
Lower		20	,	2	Ü	231	3.31	
Per capita household	:							
income:	:	2.7	0	4	5	247	3.22	10.98**
Under \$2,000	: 55	27	9		1	337	3.57	10.90**
\$2,000-\$3,999	: 67	27	4	1				
\$4,000-\$6,999	: 71	22	5	1	1	357	3.60	
\$7,000 or more	: 68	25	5	1	1	247	3.56	
Household size:	:			_	_		0.10	15 (11)
1	: 54	26	9	6	5	195	3.19	15.61**
2	: 63	26	7	1	3	438	3.44	
3 to 4	: 71	23	5	1	0	486	3.62	
5 or more	: 68	26	4	1	1	283	3.61	
Children:	:							
Yes	: 73	22	4	1	0	689	3.66	49.35**
No	: 59	27	8	3	3	714	3.35	
Region:								
Northeast	: 71	22	4	1	2	343	3.56	4.85**
North Central	: 67	23	5	2	3	400	3.50	. •
South	: 59	30	7	3	1	425	3.41	
West	: 69	21	8	1	î	238	3.59	
		41	U	±	1	230	3.37	
Urbanization:	:	27	o	2	2	436	3.44	5.21**
Central city	: 61	27	8,					J. 21""
Suburban, small urban		20	5	1	2	613	3.59	
Rural	: 61	29	5	3	2	357	3.44	
Community size:	:			-		(11	2 50	6 01 4-4
Large metro	: 69	23	6	1	1	611	3.58	6.21**
Small metro	: 66	22	6	3	3	520	3.46	
Nonmetro (rural)	: 58	33	5	3	1	275	3.41	

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 are indicated by **.

Appendix table 2--Usefulness of food price on the package, by 12 demographic variables, 1976

Demographic	:	Us	efulness			: :	Average	:
variables	Extremely	Very	Somewhat	: Not too			usefulness	: F
	:		- Percent -	<u>:</u>	: all	:vations :		:value 1/
Sex:	:		rercent -			Number	Score	Value
Fema le	: 72	21	5	1	1	1,253	3.61	15.36**
Male	: 60	25	8	4	3	157	3.35	13.50
Age:	:						3.33	
Under 25	: 69	25	5	0	1	186	3.63	6.76**
25-34	: 72	20	5	2	1	337	3.60	
35-44 45-54	: 77	16	3	2	2	242	3.65	
55 - 64	: 74	18	5	2	1	231	3.63	
65 plus	: 70 : 60	23	6	0	1	211	3.61	
Education:	• 60	27	6	3	4	193	3.34	
Elementary or less	: 64	23	8	3	2	200	2 65	2 004
Some high school	: 69	22	5	2	2 2	208 228	3.45	3.22*
High school	:		,	2	2	220	3.54	
graduate	: 72	21	5	1	1	539	3.61	
Vocational or	:		-	-	•	337	3.01	
some college	: 73	21	5	1	0	258	3.65	
College graduate	: 75	19	4	0	2	171	3.65	
Employment:	:							
Yes	: 72	21	5	1	1	565	3.62	1.86
No Family income:	: 70	22	5	2	2	841	3.56	
Under \$5,000	:		_					
\$5,000-\$9,999	: 63 : 66	26	7	2	2	216	3.44	2.84
\$10,000-\$14,999	: 66 : 75	27	5	1	1	272	3.56	
\$15,000-\$24,999	· 73	19 21	4 5	1	1	282	3.66	
\$25,000 or more	: 80	13	5 5	0 0	1 2	277	3.63	
Change in income.	:	13	,	U	2	143	3.69	
1975 versus 1974:	:							
Higher	: 72	22	3	1	2	499	3.62	1.04
About the same	: 71	20	6	ī	2	604	3.58	1.04
Lower	: 68	22	7	3	0	232	3.53	
Per capita household income:	:							
Under \$2,000.	: 66	26	5	0	3	248	3.52	1.63
\$2,000-\$3,999	: 71	21	5	2	1	336	3.61	
\$4,000-\$6,999	: 75	19	4	1	1	359	3.67	
77. 1 11 .	: 69	22	7	0	2	247	3.55	
1	: : 59	0.6	_	_				
•	· 39 : 71	26 21	9 5	3	4	194	3.32	11.83**
3 to 4	· 71	21	5 5	2 1	1	438	3.60	
5 or more	: 76	20	2	1	1 1	492	3.61	
Children:	:	20	2	1	1	283	3.69	
Yes	: 76	19	3	1	1	693	3.68	20.69**
	: 65	24	7	2	2	714	3.49	20.09**
Region:	:					, 2 -	3.77	
Northeast	: 70	20	6	2	2	345	3.54	.53
North Central	: 73	20	4	1	2	402	3.60	
South West	: 68	24	6	1	1	425	3.59	
west Jrbanization:	: 72	21	4	2	1	238	3.61	
Central city	. 40	27	-		_			
Suburban, small urban	: 68 : 73	24	5	2	1	438	3.56	.56
Rural	· /3 : 70	18 23	6 5	1	;	615	3.61	
Community size:	• ,0	23	5	1	1	357	3.57	
•	: 73	19	6	1	1	615	3.62	0.0
Small metro	: 70	21	5	2	2	520	3.55	.83
Nonmetro (rural)	: 67	26	5	ī	ī	275	J • J J	

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 3--Usefulness of uniform names and description of meat cuts by 12 demographic variables, 1976

Demogra phic	:		sefulness	- 		:		: -
variables	Extremely	Very	Somewhat	Not too	Not at	: Obser-:	usefulness score	: F :value 1/
			- Percent			Number	Score	Value 1/
Sex:	:							
Female	: 37	36	14	7	6	1,238	2.91	4.13*
Male	: 34	34	10	14	8	151	2.71	
Age:	:							
Under 25	: 35	35	17	10	3	182	2.89	5.11**
25-34	: 39	37	14	6	4	3 3 5	3.00	
35-44	: 39	33	14	7	ż	241	2.91	
45-54	: 43	35	11	7	4	228	3.04	
55-64	: 34	35	11	10	10	205	2.75	
65 plus	: 27	38	16	10	9	188	2.63	
Education:	: 2,	30	10	10		100	2.03	
Elementary or less	· : 27	37	12	14	10	200	2.58	6.89**
Some high school	: 34	38	16	7	5	224	2.88	0.09
High school	:							
graduate	: 36	38	14	7	5	5 35	2.91	
Vocational or	:							
some college	: 42	32	13	8	5	255	2.96	
College graduate	: 49	29	13	4	5	170	3.11	
Employment:	:							
Yes	: 37	39	12	7	5	558	2.96	3.42
Ио	: 36	33	15	9	7	828	2.84	
Family income:	:							
Under \$5,000	: 29	36	14	14	7	214	2.66	3.67**
\$5,000-\$9,999	: 32	40	14	8	6	271	2.85	
\$10,000-\$14,999	: 37	37	13	8	5	277	2.92	
\$15,000-\$24,999	: 41	37	12	5	5	275	3.04	
\$25,000 or more	: 46	28	14	6	6	138	3.02	
Change in income,	:			ū	·	250	3.02	
1975 versus 1974:	:							
Higher	: 39	34	13	9	5	496	2.93	.80
About the same	: 35	36	14	8	7	590	2.84	•00
Lower	: 38	34	14	10	4	230	2.91	
Per capita household	• 50	34	14	10	7	230	2.71	
income:	:							
Under \$2,000		26	1.2	1.	0	2/2	2 (5	F 1044
		36	13	14	8	243	2.65	5.18**
\$2,000-\$3,999	: 32	42	13	8	5	335	2.89	
\$4,000-\$6,999	: 41	34	16	5	4	352	3.04	
\$7,000 or more	: 42	33	11	7	7	245	2.96	
Household size:	:							
1	: 31	36	13	12	8	195	2.70	3.82**
2	: 36	36	13	8	7	426	2.86	
3 to 4	: 40	36	13	7	4	486	3.00	
5 or more	: 36	35	16	6	7	280	2.77	
Children:	:							
Yes	: 39	34	14	8	5	683	2.95	4.55*
No	: 34	37	13	9	7	703	2.32	
Region:	•							
Northeast	: 40	37	9	6	8	337	2.94	1.24
North Central	: 38	35	13	8	6	396	2.90	
South	: 33	36	17	10	4	420	2.82	
West	: 39	35	14	7	5	235	2.95	
Urbanization:	:			•	=			
Central city	: 37	36	13	9	5	432	2,90	3.20**
Suburban, small urban	39	38	11	6	6	605	2.99	
Rural	: 32	31	18	11	8	351	2.69	
Community size:	;					331	L.U.)	
Large metro	• • 40	36	11	7	6	605	2.97	7.50**
Small metro	: 37	36	13	8	6	514	2.91	/• 50^^
Nonmetro (rural)	: 28	33	20	12	7	270	2.65	
(Iulal)	• 20	.))	20	1 4	,	270	رن. ۲	

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 4--Usefulness of instructions on proper storage, by 12 demographic variables, 1976

Demographic variables	Extremely	Very	sefulness : Somewhat	Not too	Not at	: Obser-	: Average : usefulness	: F :value
variables	_ 	: very	<u>:</u>		all	vations Number	score	: 1/ Value
Sex:	:		- Percent -			Number	Score	
Female	: 28	40	17	9	6	1,250	2.74	47.33*
Male	: 14	29	22	22	13	158	2.07	
	:							
Age: Under 25	: 31	38	19	5	7	186	2.81	11.48*
25-34	: 33	43	12	8	4	355	2.92	
25-34 35-44	: 28	38	19	10	5	245	2.76	
	: 23	39	20	12	6	231	2.61	
45-54	: 24	32	23	11	10	210	2.48	
55-64	: 16	37	17	16	14	191	2.24	
65 plus	:							
Education:	: 16	32	23	18	11	204	2.23	11.13*
Elementary or less	: 26	42	14	10	8	228	2.68	
Some high school	. 20	72	*-					
High school	: : 27	39	19	9	6	541	2.71	
graduate	: 21	33	1)	,	Ü			
Vocational or	: : 32	37	17	8	6	258	2.82	
some college		37 40	17	9	7	171	2.79	
College graduate	: 32	40	14	7	,	1/1	2.17	
Employment:	:	. 1	17	11	6	564	2.67	.42
Yes	: 25	41	17		8	841	2.66	
No	: 27	37	18	10	0	041	2.00	
Family income:	:			1.5	9	217	2.49	3.61
Under \$5,000	: 19	43	16	13		217	2.63	2.01
\$5,000-\$9,999	: 26	37	18	11	8	273		
\$10,000-\$14,999	: 27	39	19	8	7	283	2.69	
\$15,000-\$24,999	: 32	40	15	9	4	276	2.88	
\$25,000 or more	: 34	34	17	7	8	143	2.79	
Change in income,	:							
1975 versus 1974:	:							, , , ,
Higher	: 28	41	17	8	6	500	2.75	4.49
About the same	: 26	35	18	12	9	604	2.55	
Lower	: 27	39	19	10	5	231	2.74	
Per capita household	:							
income:	:							
Under \$2,000	: 22	43	13	13	9	246	2.58	1.09
\$2,000-\$3,999	: 27	40	20	8	5	339	2.75	
\$4,000-\$6,999	: 31	36	17	11	5	359	2.75	
\$7,000 or more	: 28	37	18	7	10	247	2.66	
Household size:	:							
1	: 21	34	18	12	15	196	2.34	9.11
2	: 24	37	19	12	8	436	2.57	
3 to 4	: 29	40	18	8	5	490	2.79	
5 or more	: 31	40	16	10	3	283	2.83	
Children:	:							
Yes	: 31	40	16	9	4	691	2.84	29.1*
	: 23	36	19	12	10	714	2.50	
No Poston:	: 25							
Region:	: 30	39	17	7	7	345	2.77	2.41
Northeast North Central	: 26	39	18	11	6	402	2.69	
	: 24	38	18	12	8	423	2.59	
South	: 24	36	17	13	8	238	2.60	
West	. 20	50	1/	1.0	0	230		
Urbanization:		39	19	11	7	439	2.60	2.42
Central city	: 23			9	7	614	2.74	
Suburban, small urban	: 30	38	16			355	2.62	
Rural	: 25	38	19	12	6	333	2.02	
Community size:	:	~ .	10	^		(15	2 60	.94
Large metro	: 29	36	18	9	8	615	2.68	.94
Small metro	: 26	40	17	10	7	520	2.67	
Nonmetro (rural)	: 23	39	19	1.3	6	273	2.61	

 $[\]underline{1}/$ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 5--Usefulness of ingredient information, by 12 demographic variables, 1976

Demographic	·		sefulness	• • • • • • • • • • • • • • • • • • • •	·Not at	: : ::::::::::::::::::::::::::::::::::		
variables	Extremely	Very	Somewhat	Not too	: all	:vations:	score	:value 1
0	<u>:</u>		- Percent			Number	Score	Value
Sex:	: : 34	33	20	9	4	1,251	2.83	27.67**
Female	: 34 : 24	25	22	17	12	158	2.32	
Male	: 24	23	22	17				
Age:	: 29	30	22	11	8	186	2.61	5.20**
Under 25	: 29	32	23	8	3	336	2.86	
25-34	: 34	36	19	7	3	245	2.93	
35-44	: 39	28	20	9	4	230	2.87	
45-54		34	16	10	10	211	2.65	
55-64	: 30 : 25	34	20	13	8	192	2.55	
65 plus		24	20	13	O	±,=		
Education:	: : 26	30	19	14	11	206	2.47	10.14**
Elementary or less		38	20	8	8	228	2.67	
Some high school	: 26	30	20	0	O	220	2.07	
High school	:	20	22	11	4	540	2.75	
graduate	: 32	30	23	11	4	340	25	
Vocational or	: 20	2.5	1 5	6	5	258	2.96	
some college	: 39	35	15	8) 1	172	3.04	
College graduate	: 42	31	18	ð	1	1/2	J. U4	
Employment:	:	o 1	0.7	0	e	566	2.77	.07
Yes	: 31	34	21	9	5 6	842	2.77	.07
No	: 34	31	19	10	б	042	2.//	
Family income:	:			1.0	11	216	2.57	3.33*
Under \$5,000	: 31	26	22	10	11	216	2.62	3.35
\$5,000-\$9,999	: 27	34	21	11	7	273	2.74	
\$10,000-\$14,999	: 30	36	18	12	4	283		
\$15,000-\$24,999	: 33	38	19	8	2	277	2.90	
\$25,000 or more	: 39	27	24	8	2	143	2.93	
Change in income,	:							
1975 versus 1974	:				_			1 22
Higher	: 33	32	21	9	5	500	2.77	1.22
About the same	: 33	31	18	11	7	606	2.72	
Lower	: 35	33	20	9	3	232	2.87	
Per capita household	:							
income:	:							(0244
Under \$2,000	: 28	30	21	11	10	246	2.54	6.03**
\$2,000-\$3,999	: 33	35	19	9	4	339	2.84	
\$4,000-\$6,999	: 35	35	20	6	4	360	2.91	
\$7,000 or more	: 26	31	22	15	6	247	2.57	
Household size:	:							0.0644
1	: 26	26	19	16	13	196	2.36	9.36**
2	: 32	32	21	10	5	436	2.75	
3 to 4	: 33	36	18	8	5	492	2.86	
5 or more	: 37	31	22	8	2	284	2.93	
Children:	:							
Yes	: 36	33	20	7	4	694	2.90	16.71**
No	: 30	31	20	12	7	714	2.65	
Region:	:							_
Northeast	: 36	32	18	7	7	344	2.82	3.85**
North Central	: 32	32	20	10	6	402	2.74	
South	: 28	34	22	10	6	425	2.69	
West	: 39	30	19	10	2	239	2.92	
Urbanization:	:							
Central city	: 28	32	23	11	6	439	2.64	3.28*
Suburban, small urban	: 37	32	17	9	5	614	2.86	
Rural	: 32	33	22	9	4	357	2.78	
Community size:	:							
Large metro	: 35	30	19	10	6	615	2.79	.36
Small metro	: 31	35	20	9	5	521	2.77	
Nonmetro (rural)	: 30	33	22	11	4	274	2.73	
Hommetto (Iulai)	: 30							

 $[\]underline{1}/$ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 6--Usefulness of nutrition information, by 12 demographic variables, 1976

D	:	U:	sefulness			: :	Average	:
Demographic variables	: Extremely	: Very	Somewhat	Not too	Not at	: Obser-:u :vations:	sefulnes score	s: F :value l/
Sex:	:		- Percent -			Number	Score	<u>Value</u>
Female	: 24	33	23	12	8	1,244	2.55	35.75**
Male	: 12	22	31	19	16	156	1.94	
Age:	:							
Under 25	: 24	33	28	7	8	186	2.57	8.64**
25-34	: 29	34	23	9	5	336	2.72	
35-44	: 22	35	28	9	6	243	2.58	
45-54	: 25	28	21	18	8	229	2.44	
55-64	: 18	31	24	13	14	210	2.25	
65 plus	: 18	27	20	24	11	186	2.15	
Education:	:		•					
Elementary or less	: 13	28	26	19	14	199	2.07	12.41**
Some high school	: 19	34	21	14	12	227	2.33	
High school	:							
graduate	: 22	32	27	12	7	541	2.50	
Vocational or	:							
some college	: 31	31	20	11	7	255	2.68	
College graduate	: 32	35	21	9	3	172	2.82	
Employment:	:							
Yes	: 23	34	24	10	9	565	2.50	.35
No Final land and a second	: 23	31	24	14	8	832	2.46	
Family income:	:							
Under \$5,000	: 17	38	21	14	10	212	2.37	2.58*
\$5,000-\$9,999	: 19	32	25	14	10	271	2.36	
\$10,000-\$14,999	: 21	30	26	14	9	281	2.38	
\$15,000-\$24,999	: 28	33	23	11	5	277	2.66	
\$25,000 or more	: 34	25	24	10	7	142	2.70	
Change in income, 1975 versus 1974:	:							
Higher	: 26	30	23	13	8	498	2.52	.74
About the same	: 23	32	23	12	10	601	2.45	
Lower	: 22	29	25	18	6	229	2.33	
Per capita household income:	: :							
Under \$2,000	: 18	39	22	12	9	241	2.46	.36
\$2,000-\$3,999	: 22	33	25	12	8	337	2.48	
\$4,000-\$6,999	: 25	30	25	13	7	359	2.52	
\$7,000 or more	: 26	27	22	15	10	246	2.43	
Household size:	:							
1	: 20	24	20	22	14	192	2.12	10.78**
2	: 20	33	23	13	11	434	2.37	
3 to 4	: 26	33	24	10	7	489	2.61	
5 or more Children:	: 26	33	28	10	3	282	2.68	
	;			_				
Yes	: 26	35	25	8	6	689	2.67	33.21**
No Bosion:	: 20	29	23	17	11	808	2.30	
Region:	:	<i>-</i> -						
North Control	: 27	25	26	10	12	342	2.46	2.57
North Central South	: 21	32	24	16	7	399	2.44	
West	: 20	35	24	13	8	419	2.45	
West Urbanization:	: 27	34	21	11	7	239	2.64	
Central city	:		6.5	1.0			0 / 0	
Suburban, small urban	: 22 : 25	32	23	13	10	436	2.42	.72
Rural	: 25 : 22	29	25	13	8	611	2.49	
Community size:	: 22	36	23	11	8	353	2.53	
Large metro	: 24	2.0	27	11	^	612	2 51	2.0
Small metro	: 23	32 30	24 24	11 14	9	613	2.51 2.45	.29
Nonmetro (rural)	: 20	35	24	14 13	9 8	515 271	2.45	
	. 20	رد	24	1 9	ō	271	2.43	

 $[\]underline{1}/$ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 7--Usefulness of unit pricing, by 12 demographic variables, 1976

Demographic	<u>:</u>	U:	sefulness		• N - 4 - :	_: : Average : : Obser-:usefulness: F				
Demographic variables	Extremely	: Very	: Somewhat	Not too	:Not at	: Obser-:	sefulnes score			
	:		Percent -			Number	Score	Value		
Sex:	26	21	19	13	11	1,196	2.49	9.86**		
Female Male	: 26 : 24	31 21	20	15 16	19	1,190	2.13	7. 00		
	. 24	21	20	10	13	147	2.13			
Age: Under 25	: 24	33	22	11	10	182	2.52	11.04**		
25-34	: 32	29	17	12	10	325	2.62			
35-44	: 29	32	20	12	7	237	2.65			
45-54	: 27	31	19	12	11	222	2.51			
55-64	: 22	29	17	16	16	196	2.25			
65 plus	: 15	24	22	21	20	173	1.92			
Education:	:									
Elementary or less	: 16	28	18	22	16	183	2.07	10.05**		
Some high school	: 20	32	19	16	15	213	2.30			
High school	:	32	17	10	13	223				
graduate	27	28	20	12	13	523	2.44			
Vocational or	• ~					-				
some college	: 30	34	20	8	8	249	2.69			
College graduate	: 35	30	17	11	7	172	2.74			
Employment:	:				-					
Yes	: 26	30	20	12	12	546	2.49	1.47		
No	: 25	30	19	14	12	796	2.42			
Family Income:	:									
Under \$5,000	: 17	32	17	15	19	195	2.14	5.66**		
\$5,000-\$9,999	: 22	33	18	15	12	260	2.38			
\$10,000-\$14,999	: 26	28	23	13	10	274	2.48			
\$15,000-\$24,999	: 34	31	17	9	9	273	2.72			
\$25,000 or more	: 29	34	17	12	8	139	2.64			
Change in income, 1975 versus 1974	: :									
Higher	: 27	33	17	14	9	490	2.55	2.87		
About the same	: 24	30	20	12	14	566	2.36			
Lower	: 28	25	18	17	12	221	2.39			
Per capita household	:									
income:	:									
Under \$2,000	: 23	31	15	14	17	221	2.30	1.77		
\$2,000-\$3,999	: 25	34	21	12	8	324	2.54			
\$4,000-\$6,999	: 29	32	18	11	10	353	2.59			
\$7,000 or more	: 25	27	21	14	13	244	2.37			
Household size:	:							16 0244		
1	: 14	20	24	19	23	183	1.83	16.23**		
2	: 25	31	17	15	12	420	2.42			
3 to 4	: 28	32	21	11	8	470	2.60			
5 or more	: 30	32	18	12	8	268	2.65			
Children:	:							ماسيد / ر		
Yes	: 30	33	19	11	7	663	2.66	34.4**		
No	: 22	28	19	16	15	679	2.24			
Region:	:						2 22	4.77**		
Northeast	: 27	25	22	11	15	329	2.39	4.//^^		
North Central	: 29	31	15	13	12	389	2.52			
South	: 19	32	22	16	11	398	2.32			
West	: 29	33	18	12	8	228	2.62			
Urbanization:	. 20	20	20	15	10	407	2.31	2.66		
Central city	: 20	32	20	15	13	407 592	2.48	2.00		
Suburban, small urban	: 28 : 29	28	19	13	12 9	345	2.40			
Rural	. 29	30	18	14	9	343	در. ۲			
Community size:	: : 25	29	20	13	13	585	2.40	1.29		
Large metro	: 25	29 30	20 19	15	11	494	2.43			
Small metro Nonmetro (rural)	: 23	33	17	13	9	266	2.58			
Nonmetro (furar)	. 20	دد	1/	13	7	200	2.50			

^{1/} F values significant at 0.01 level are indicated by **.

Appendix table 8--Usefulness of name of manufacturer, by 12 demographic variables, 1976

Demographic	:	U	sefulness			:	: Average	:
variables	Extreme	ely: Very	Somewhat	: Not too			:usefulness: F	
			- Percent	-	: all	:vations Number		:value 1/
Sex:	:					Number	Score	<u>Value</u>
Female	: 22	31	25	16	6	1,250	2.47	0
Male	: 25	31	19	16	9	158	2.47	
Age:	:							
Under 25	: 14	28	34	18	6	186	2.24	2.15
25-34	: 21	29	28	17	5	336	2.43	
35-44	: 29	26	20	19	6	242	2.52	
45–54	: 24	37	20	13	6	231	2.60	
55-64	: 25	34	20	13	8	211	2.57	
65 plus	: 23	31	22	14	10	192	2.42	
Education:	:							
Elementary or less	: 21	28	20	19	1,2	207	2.28	3.20*
Some high school	: 25	29	22	17	7	228	2.46	
High school	:							
graduate	: 24	30	25	15	6	538	2.52	
Vocational or	:							
some college	: 22	36	24	14	4	258	2.57	
College graduate	: 20	29	28	16	7	172	2.38	
Employment:	:							
Yes No	: 21	33	25	14	7	564	2.47	0
	: 24	29	24	17	6	841	2.47	
Family income: Under \$5,000	:							
\$5,000-\$9,999	: 20	28	23	20	9	214	2.30	1.65
\$10,000-\$14,999	: 22 : 20	29	25	18	6	273	2.43	
\$15,000-\$24,999		36	23	15	6	283	2.49	
\$25,000 or more		32	27	14	5	277	2.52	
Change in income.	: 29 :	28	24	14	5	143	2.62	
1976 versus 1975	•							
Higher	: 22	30	27	.,	_		0.46	0.1
About the same	: 23	30	27 23	14	7	500	2.46	.01
Lower	: 24	31		16	7	603	2.46	
Per capita household	. 24	21	18	22	5	231	2.45	
income:	•							
Under \$2 000	: 19	28	23	21	0	2//	2 20	/ 0344
\$2,000-\$3,999	: 20	31	25 25	17	9 7	244	2.28	4.03**
\$4,000-\$6,999	: 28	31	23	17	5	339	2.40	
\$7,000 or more	: 20	33	26	15	6	360	2.65	
Household size:	:	23	20	13	б	247	2.46	
1	: 20	26	23	21	10	107	2 22	5.52**
2	: 25	33	25	11	6	197 436	2.23 2.61	3.32^^
3 to 4	: 20	31	25	17	7	489	2.40	
5 or more	: 25	31	22	18	4	283	2.54	
Children:	:	31	22	10	4	203	2.54	
Yes	: 24	30	23	17	6	690	2.49	.56
No	: 21	32	24	15	8	715	2.45	.50
legion:	:	32		13	O	/13	2.45	
Northeast	: 26	31	21	13	9	343	2.53	1.42
North Central	: 19	32	24	18	7	402	2.38	1.42
South	: 24	28	25	17	6	424	2.48	
West	: 23	30	28	14	5	239	2.52	
rbanization:	:				,	233	2.52	
Central city	: 21	32	23	16	8	435	2.42	.76
Suburban, small urban	: 25	28	24	16	7	615	2.42	. 70
Rural	: 22	33	25	15	5	358	2.49	
ommunity size:	:				,	330	2.50	
Large metro	: 22	30	26	15	7	614	2.45	.13
Small metro	: 25	30	22	16	7	519	2.52	•10
Nonmetro (rural)								

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are are indicated by **.

Appendix table 9--Usefulness of drained weight of canned food, by 12 demographic variables, 1976

Demographic		. Us	sefulness	•	. Not	: Obser ::	Average	: F
varīables	Extremely	Very	Somewhat	Not too	: Not at	: Obser-:u :vations:	setulnes score	s: F :value l,
		`	- Percent			Number	Score	Value 1
Sex:	:						<u> </u>	varue
Female	: 12	19	24	27	18	154	1.80	5.12*
Male	: 9	7	21	28	25	1,231	1.56	3.12
Age:	:					2,232	1.30	
Under 25	: 7	15	26	32	20	186	1.57	1.68
25-34	: 11	18	27	28	16	330	1.82	
35-44	: 13	20	25	24	17	239	1.86	
45-54	: 14	18	21	27	20	229	1.80	
55-64	: 10	26	20	24	20	204	1.83	
65 plus	: 11	17	21	29	22	188	1.68	
Education:	:							
`Elementary or less	: 8	20	19	28	25	196	1.60	2.85*
Some high school	: 10	16	29	29	16	223	1.77	
High school	: 10							
graduate	. 11	17	25	28	19	534	1.74	
Vocational or	: 11							
some college	: 14	22	24	24	16	256	1.97	
College graduate	: 14	21	19	26	20	170	1.83	
5 5	. 14		17	20	20	1,0	2.03	
Employment: Yes	: : 10	20	22	29	19	554	1.75	.14
		19	25	26	18	828	1.79	• 1 4
No Family incomes	-	19	23	20	10	020	1.75	
Family income:	:	16	23	28	22	211	1.64	1.73
Under \$5,000	: 10	16			18	269	1.69	1.75
\$5,000-\$9,999	: 9	18	24	31			1.82	
\$10,000-\$14,999	: 12	18	26	28	16	279		
\$15,000-\$24,999	: 10	21	26	25	18	276	1.79	
\$25,000 or more	: 18	20	21	24	17	141	1.98	
Change in income:	:							
1975 versus 1974	:							0.5
Higher	: 10	19	26	25	20	494	1.74	.85
About the same	: 12	18	21	29	20	593	1.74	
Lower	: 12	22	25	24	17	226	1.86	
Per capita household	:							
income:	:							
Under \$2,000	: 10	17	24	30	19	242	1.70	1.44
\$2,000-\$3,999	: 9	17	27	30	17	330	1.70	
\$4,000-\$6,999	: 12	21	28	24	15	358	1.92	
\$7,000 or more	: 14	18	17	28	23	246	1.71	
Household size:	:							
1	: 13	15	20	26	26	192	1.63	1.97
2	: 10	20	22	27	21	432	1.68	
3 to 4	: 11	20	27	26	16	479	1.83	
5 or more	: 13	20	25	29	13	279	1.91	
Children:	:							
Yes	: 13	19	26	26	16	678	1.88	10.19**
No	: 9	19	22	29	21	705	1.66	
Region:	:							
Northeast	: 12	14	22	26	26	337	1.59	4.70**
North Central	: 11	24	23	27	15	397	1.91	
South	: 12	17	24	28	19	415	1.76	
West	: 10	21	27	27	15	236	1.84	
west Urbanization:	: 10	-1		21		_35		
Central city	: 11	20	21	29	19	425	1.74	.22
•	: 13	19	24	24	20	605	1.80	
Suburban, small urban	: 13	19	26	30	16	355	1.77	
Rural	: 9	17	20	30	10	555		
Community size:	: 11	19	24	26	20	603	1.75	.09
Large metro		20	22	26	19	508	1.81	• • • •
Small metro	: 13 : 9	20 19	26	32	14	275	1.77	
Nonmetro (rural)	. ,	17	20	26	17	~13		

 $[\]underline{1}/$ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 10--Usefulness of dates on food packages, by 11 demographic variables, 1977

Demographic	:		sefulness				Average	: _
variables	Extremely	: Very	: Somewhat	Not too	:Not at	: Obser-		s: F
	<u>:</u>	<u> </u>		<u> </u>	<u>: all</u>	vations		:value 1/
Sex:	:		- Percent			Number	Score	Value
Female	: 68	26	,	•	-			
Male	• 49	36	4	1	1	1,208	3.58	34.41**
	• 43	30	10	2	3	213	3.25	
Age:	. 72	2.2	2	1	1	156	2.60	11 /0++
Under 25	: 73	23	2	1	1	156	3.68	11.49**
25-34	: 70	26	3	1	0	335	3.66	
33 17	: 66	26	6	1	1	350	3.56	
50-64	: 63	27	6	2	2	357	3.48	
65 plus	: 52	33	6	5	4	226	3.24	
Education:	:		_		_			
Elementary or less	: 52	32	9	2	5	210	3.23	9.08**
Some high school	: 63	29	5	2	1	223	3.50	
High school	:							
graduate	: 68	26	4	1	1	498	3.61	
Vocational or	:							
some college	: 68	25	4	2	1	281	3.59	
College graduate	: 68	26	5	1	0	203	3.59	
Employment:	:							
Yes	: 64	28	6	1	1	619	3.54	.12
No	: 66	26	4	8	2	796	3.52	
Family Income:	:							
Under \$5,000	: 54	35	5	4	2	196	3.36	6.07**
\$5,000-\$9,999	: 66	25	6	2	1	259	3.54	0.07
	: 65	30	3	2	0	266	3.57	
	: 66	26	7	ō	1	301	3.56	
	: 80	16	3	Ö	î	144	3.75	
Change in income.			J	ŭ	-	244	3.75	
1976 versus 1975:	•							
Higher	64	27	7	1	1	488	3.53	1.69
About the same	61	31	4	2	2	446	3.47	1.07
Lower	: 67	26	5	1	1	458	3.56	
Per capita household	. 0,	20	3	-	-	430	3.50	
income:	•							
Under \$2,000	: 66	27	5	2	0	107	2 56	1.1
\$2,000-\$3,999	64	29	4	2	1	197	3.56	.11
\$4,000-\$6,999	: 66	25	6	2		330	3.53	
\$7,000 or more	: 66	23 27		1	1	346	3.54	
Household size:	. 00	21	5	1	1	294	3.57	
nousenoid size:	•							
1	52	2.2	0	,	•	252		
		33	9	4	2	250	3.29	14.98**
2	63	29	4	2	2	429	3.49	
3 to 4	72	22	4	1	1	506	3.64	
5 or more	: 68	26	5	1	0	239	3.60	
Children:								
Yes :	73	21	4	1	1	618	3.66	32.40**
No :	58	32	6	2	2	781	3.42	
Region:								
Northeast :	67	28	3	1	1	398	3.60	2.91*
North Central	66	24	6	2	2	407	3.51	
South	60	31	5	2	2	380	3.46	
West :	67	24	6	2	1	239	3.53	
Community size: :								
Large metro :	67	26	5	1	1	527	3.58	2.89*
Small metro :	63	29	5	2	1	480	3.49	
Nonmetro (rural) :	64	27	6	2	1	417	3.50	

 $[\]frac{1}{2}$ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 11--Usefulness of food price on the package, by 11 demographic variables, 1977

Demographic		U:	sefulness			: ·	Average	
variables	Extremely	Very	Somewhat	:Not too	: Not at : all	: Obser-:u	sefulnes score	s: F :value 1/
			- Percent -			Number	Score	Value
Sex:			10100.10					
	63	24	6	1	1	1 010		
Male :		30	13		1	1,212	3.58	40.01**
	. 50	30	13	5	2	215	3.21	
Age:	63	26	9	2	7	156	3.51	.92
Under 25 :	68	21	9	2	ŋ	335	3.54	
25-34	68	24	5	2	1	351	3.55	
35-49	66	25	6	2	1	360	3.54	
50-64	: 59	31	8	1	1	223	3.45	
65 plus	•							
Education:			-	-	0	21.1	2 52	.18
Elementary or less:		27	5	1	2	211	3.53	• 10
Some high school :	: 60	34	4	1	1	223	3.52	
High school	:							
graduate	: 67	22	7	3	1	498	3.52	
Vocational or	•							
some college	: 68	21	9	2	n	283	3.56	
College graduate	: 63	25	11	0	1	203	3.49	
Employment:	:							
Yes	64	24	8	3	1	620	3.43	2.99
No	. 67	25	6	í	1	802	3.56	
Family income:	. 07	23		-	-			
,	: 66	27	5	2	0	201	3.59	1.20
Under \$5,000		31	7	2	1	259	3.47	2.
\$5,000-\$9,999	: 59		5	3	j j	266	3.58	
1	: 68	24			-	301	3.57	
T == , = = , = . , =	: 70	19	9	2	0			
425,000 DI MOLE	: 63	24	8	2	3	144	3.43	
Change in income,	:							
1976 versus 1975:	:							
Higher	: 64	26	7	3	0	489	3.52	1.29
About the same	: 62	27	9	1	1.	450	3.47	
Lower	: 70	22	5	2	1	460	3.58	
Per capita household	:							
income:	:							
Under \$2,000	: 69	26	4	1	n	199	3.63	2.47
	: 66	27	5	2	0	333	3.56	
	: 68	21	7	3	1	346	3.54	
		26	11	2	î	294	3.43	
T., 000 01		20	11	2-	-	2,7	3.13	
Household size:	:	20	9	5	1	253	3.36	7.34*
+	: 57	28				432	3.51	7.54
2	: 66	23	8	2	1			
3 to 4	: 67	25	6	1	1	506	3.57	
5 or more	: 70	24	5	0	1	240	3.62	
Children:	:				_			10 5144
Yes	: 69	23	6	1	1.	619	3.60	12.51**
No	: 62	26	8	3	1	786	3.46	
Region:	:							
Northeast	: 69	22	6	2	1	400	3.56	.75
North Central	: 63	28	7	1	1	40 7	3.52	
South	: 63	27	7	2	1	385	3.50	
West	: 67	20	10	3	Ō	239	3.51	
Community size:	:		2.0	-				
Large metro	: 68	21	7	2	2	529	3.53	.18
Small metro	: 64	26	7	3	0	485	3.51	'
Nonmetro (rural)	: 63	28	8	1	n	417	3.53	
Nommetro (rural)	. 05	20	C)	-	.,	, _ ,	- • • •	

 $[\]underline{1}/$ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 12--Usefulness of uniform names and descriptions of meat cuts, by 11 demographic variables, 1977

Demographic		บ	sefulness			: :	Average		
variables	Extremely.	Very:	Somewhat	Not too	: Not at	at: Obser-:usefulness:			
		<u></u> :		<u>:</u>	: 411	:vations:	score	:value 1/	
Sex:			Percent -			Number	Score	<u>Value</u>	
Female :	38	41	11	7	2	1 107	2 02	15.14**	
Male :		41	17	10	3	1,197	3.03	13.14~~	
Age:		41	17	10	5	215	2.74		
Under 25		46	14	5	3	156	2.99	11.27**	
25-34	42	37	13	6	2	329	3.09	11.2/	
35-49 :		42	11	5	3	349	3.07		
50-64 :		40	12	6	3	357	3.07		
65 plus :		43	15	15	6	224	2.58		
Education:	4- X	45	13	13	Ü	224	2.30		
Elementary or less:	21	44	17	1.2	-	200	2 (1	0 5644	
Some high school :				13	5	203	2.61	9.56**	
lligh school :	35	39	14	8	4	221	2.94		
	2.0	1.3	10	,	-				
_	33	43	12	6	1	495	3.19		
Vocational or :				_					
some college :		40	11	5	3	283	3.12		
College graduate :	40	38	11	6	5	200	3.92		
Employment: :									
Yes :	35	43	13	7	2	617	3.01	.08	
No :	37	39	12	3	4	789	2.98		
Family income:									
Under \$5,000 :	25	42	19	9	5	195	2.73	7.54**	
\$5,000-\$9,999 :		42	11	9	4	256	2.93		
\$10,000-\$14,999 :	3 8	46	9	6	1	266	3.12		
\$15,000-\$24,999 :	39	35	17	6	3	300	3.71		
\$25,000 or more :	52	36	5	4	3	142	3.29		
Change in income, :									
1976 versus 1975: :									
Higher :	35	42	12	3	3	482	2.98	1.15	
About the same :	34	40	13	8	5	443	2.92		
Lower :	39	41	12	5	3	459	3.07		
Per capita household:									
in come: :									
Under \$2,000 :	31	41	13	3	2	195	2.91	2.31	
\$2,000-\$3,999 :	33	41	13	9	4	329	2.90		
\$4,000-\$6,999 :	41	40	10	7	2	343	3.09		
\$7,000 or more :	40	40	12	5	3	292	3.09		
Household size: :							3 ,		
1 :	27	42	16	10	5	248	2.75	8.37**	
2 :	32	46	1.1	7	4	429	2.94	() • 3 /	
3 to 4 :	42	37	13	6	2	503	3.13		
5 or more :	39	39	11	8	3	234	3.03		
Children: :		• ,			.,	J4	7.03		
Yes :	40	39	12	8	2	610	3.07	C 5 / -t-	
No :	33	43	13	7	4	780	2.92	6.54*	
Region:	3.3	.,	13	,		750	2.92		
Northeast :	43	41	10	3	3	399	2 10	0 0544	
North Central :	37	40	14	, 7	2	404	3.19	9.95**	
South :	30	44	14	9			3.02		
West :	33	38	10	12	3 7	375	2.88		
Community size: :	,,	, 0	T O	12	/	237	2.79		
Large metro :	42	37	11	c	1.	526	2 07	, ,,,,	
Small metro :	35	42	13	6 7	4	526 472	3.07	4.34*	
Nonmetro (rural) :	3 0	42	13		3	472	2.99		
	20	47	13	9	3	416	2.88		

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 are indicated by **.

Appendix table 13--Usefulness of instructions on proper storage, by 11 demographic variables,

Demograph ic	:		Jsefulness			_: _:		:
variables	Extremely	Very	Somewhat	Not too	:Not at	: Obser-:		
	<u>:</u>	<u>: </u>		:	: all	:vations:	score	:value 1/
Sex:	:		Percent -			Number	Score	Value
Female	• • 35	40	13	9	3	1 207	2.04	20 25**
Male	: 25	36	18	13	8	1,207 215	2.94	28.35**
Age:	. 23	30	10	13	O	213	2.56	
Under 25	: 41	34	13	11	,	156	2 02	10 07.11
25-34	: 39	40	12	11	1	156	3.03	13.27**
35-49	: 36	40		6	3	335	3.07	
50-64	: 28	40	13 17	7	3	351	3.01	
65 plus	: 22	38		11	4	360	2.76	
Education:	. 22	20	14	19	7	223	2.48	
Elementary or less	: 24	36	10	16	,	010	0.55	
Some high school	: 27	36 40	18	16	6	210	2.55	7.88**
High school	. 27	40	16	15	2	223	2.73	
graduate	. 27	10	1.0	,	,			
Vocational or	: 37	40	13	6	4	498	3.01	
some college	. 25		10		•			
College graduate	: 35	42	12	8	3	283	2.97	
0 0	: 37	36	15	9	3	203	2.95	
Employment:	:				_			
Yes	: 32	40	15	11	2	620	2.88	0
No E-milu i	: 34	38	14	10	4	796	2.88	
Family income:	:							
Under \$5,000	: 27	36	21	12	4	196	2.68	5.81**
\$5,000-\$9,999	: 33	41	11	11	4	259	2.88	
\$10,000-\$14,999	: 34	42	11	10	3	266	2.94	
\$15,000-\$24,999	: 34	46	14	5	1	301	3.08	
\$25,000 or more	: 41	33	13	9	4	144	2.98	
Change in income, 1976 versus 1975:	:							
Higher	: 32	42	13	9	4	487	2.90	4.42*
About the same	: 28	39	17	12	4	446	2.74	
Lower	: 40	36	12	10	2	460	3.01	
Per capita household income:	: :							
Under \$2,000	: 34	36	19	8	3	199	2.90	1.28
\$2,000-\$3,999	: 31	41	13	12	3	328	2.85	
\$4,000-\$6,999	: 34	42	12	9	3	346	2.95	
\$7,000 or more	: 36	41	13	7	3	294	2.99	
Household size:	:							
1	: 25	38	13	1.6	8	248	2.54	11.90**
2	: 30	41	16	10	3	434	2.87	
3 to 4	: 39	37	13	9	2	504	3.00	
5 or more	: 35	42	15	6	2	239	3.01	
Children:	:						3.7.2	
Yes	: 39	39	12	7	3	619	3.05	28.53**
No	: 28	39	16	12	5	782	2.74	
Region:	:						_,,	
Nor thea st	: 42	39	11	6	2	399	3.14	11.64**
North Central	: 30	38	19	10	3	407	2.82	
South	: 29	39	14	14	4	381	2.74	
West	: 31	41	12	9	7	238	2.78	
Community size:	:			•	•			
Large metro	: 40	35	13	8	4	528	2.97	3.76*
Small metro	: 29	45	14	9	3	481	2.87	3
Nonmetro (rural)	: 29	39	16	14	2	416	2.78	
	•				•			

/ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 are indicated by **.

Appendix table 14--Usefulness of ingredient information, by 11 demographic variables, 1977

	:	J	Jsefulness			: :	Average	
Demographic variables		•	:	Not too	Not a	t: Obser-:u	sefulnes	s: F
variables	Extremely:	Very	Somewhat	: NOL LOO	all	·vacions	score	:value 1/
	:		Percent -			Number	Score	<u>Value</u>
Sex:	:	20	10	0	2	1 007	1 07	20 10**
Female	: 31	38	19	9 12	3 5	1,207	2.86 2.54	20.10**
Male	: 22	34	27	12)	214	2.34	
Age:	:	2.0	26	0	2	156	2.84	.70
Under 25	: 32	32	26 22	8	2 2	334	2.86	.70
25-34	: 32	34		10 9	3	351	2.85	
35-49	: 32	36	20			360	2.78	
50-64	: 26	40	21	10	3		2.70	
65 plus	: 26	43	14	11	6	224	2.72	
Education:	:	, ,	20	0	-	211	2.28	4.51**
Elementary or less	: 23	44	20	8	5	211		4.31^^
Some high school	: 22	42	20	1.4	2	223	2.68	
High school	:		2.2		,		0.70	
graduate	: 31	34	20	11	4	497	2.78	
Vocational or	:			_	_			
some college	: 29	39	22	7	3	283	2.85	
College graduate	: 43	31	19	6	1	203	3.09	
Employment:	:							
Yes	: 29	37	21	11	2	619	2.78	1.79
No	: 31	38	20	8	3	797	2.84	
Family income:	:							
Under \$5,000	: 22	41	20	13	4	197	2.66	2.29
\$5,000-\$9,999	: 25	43	19	10	3	258	2.79	
\$10,000-\$14,999	: 34	35	19	9	3	266	2.89	
\$15,000-\$24,999	: 31	37	23	6	3	300	2.87	
\$25,000 or more	: 34	36	22	7	1	144	2.97	
Change in income,	:							
1976 versus 1975:	:							
Higher	: 30	38	22	7	3	485	2.85	.20
About the same	: 26	41	19	11	3	447	2.76	
Lower	: 32	34	20	11	3	460	2.82	
Per capita household	:							
income:	:							
Under \$2,000	: 23	38	22	12	5	199	2.64	2.95*
\$2,000-\$3,999	: 30	43	18	8	1	328	2.93	
\$4,000-\$6,999	: 31	37	20	8	4	345	2.84	
\$7,000 or more	: 31	35	23	9	2	294	2.83	
Household size:	:							
1	: 26	37	19	13	5	249	2.64	3.37*
2	: 27	42	20	8	3	433	2.82	
3 to 4	: 32	35	21	10	2	504	2.86	
5 or more	: 33	34	22	8	3	239	2.86	
Children:	:	•		J	J	237	2.00	
Yes	: 33	34	22	9	2	618	2.86	1.88
No	: 27	40	20	10	3	782	2.78	1.00
Region:	: 27	40	20	10	,	702	2.70	
Northeast	: 35	34	21	_	3	399	2.93	3.53
North Central	: 26	38	21	7	4	399 406	2.93	در. ر
South	: 26	41	19	11	3	381	2.71	
	: 27 : 32	34	22	10	2			
West	. 32	34	22	10	4	239	2.85	
Community size:	. 25	2.2	30	8	/-	E 2 0	2 07	7.6
Large metro	: 35 : 27	33 40	20		4	528	2.87	.74
Small metro	: 27 : 26	40 39	19 23	11 10	3 2	480 416	2.78 2.77	
Nonmetro (rural)								

 $[\]underline{1}/$ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 15--Usefulness of nutrition information, by 11 demographic variables, 1977

Demographic	<u> </u>	<u>. </u>	sefulness		• Nat :	: Obser-:		
variables	: Extremely	: Very	Somewhat	Not too	: Not at	: Obser-: :vations:		s: r :value 1/
	:	<u> </u>	Percent -			Number	Score	Value
Sex:	:		Tereene			- Ivaniber	50010	
	: 33	33	21	9	4	1,206	2.81	33.02**
Male	: 24	27	23	18	8	213	2.40	
Age:	:			10				
Under 25	: 30	33	27	8	2	156	2.82	7.30**
25-34	: 34	30	26	7	3	334	2.86	
35-49	: 36	33	17	10	4	348	2.89	
50-64	: 27	36	17	14	6	360	2.64	
65 plus	: 25	27	26	12	10	224	2.46	
Education:								
Elementary or less	: 24	33	24	11	8	212	2.55	3.77**
Some high school	: 30	30	22	11	7	223	2.66	
***	. 50	50	22		•			
. High school	• • 29	34	23	10	4	497	2.74	
graduate	. 29	34	23	10	7	1,7,		
Vocational or	: : 37	29	19	10	5	282	2.83	
some college		32	20	10	1	199	2.94	
College graduate	: 37	32	20	10	1	1))	2.74	
Employment:	:	21	22	13	4	615	2.71	1.25
Yes	: 30	31			5	789	2.77	1.23
No	: 32	33	21	9	3	709	2.77	
Family income:	:	0.5	0.7	1.0	7	107	2.59	2.76*
Under \$5,000	: 29	25	27	12	7	197	2.73	2.70.
\$5,000-\$9,999	: 29	35	20	10	6	258		
710,000 T1.,,,,	: 33	35	18	9	5	266	2.83	
\$15,000-\$24,999	: 31	31	24	11	3	300	2.77	
\$25,000 or more	: 39	35	15	8	3	141	2.99	
Change in income,	:							
1976 versus 1975:	:							
Higher	: 34	33	20	9	4	485	2.84	1.02
About the same	: 30	31	24	10	5	445	2.70	
Lower	: 30	32	21	13	4	460	2.71	
Per capita household	:							
income:	:							
Under \$2,000	: 34	30	23	7	6	196	2.78	.46
	: 31	29	24	12	4	330	2.72	
	: 32	35	20	9	4	343	2.80	
\$7,000 or more	: 32	34	19	12	3	293	2.77	
Household size:	:							
1	: 25	28	24	16	7	250	2.49	12.01**
2	: 29	31	22	12	6	431	2.65	
3 to 4	: 33	35	21	9	2	505	2.87	
	: 36	34	19	7	4	236	2.92	
5 or more	:	34		•				
Children:	: 34	34	21	8	3	616	2.89	18.28**
Yes	: 28	31	22	13	6	781	2.63	
No	. 20	31	22	13	Ü			
Region:	: : 35	34	17	10	4	400	2.84	1.48
Northeast		34 32	24	11	4	404	2.70	
North Central	: 29	32 32	23	10	5	381	2.72	
South	: 30		23	11	5	237	2.71	
West	: 31	30	23	11	,	231		
Community size:	: . 25	30	19	11	5	526	2.77	.10
Large metro	: 35			11	5	478	2.74	
Small metro	: 30	36	18 29	8	4	417	2.74	
Nonmetro (rural)	: 28 :	31	29	O	4	41/	,-	

 $[\]underline{1}/$ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 16--Usefulness of unit pricing, by 11 demographic variables, 1977

Demographic	:		sefulness •	•	• • •	_: : :	Average	
Demographic variables	Extremely	Very	Somewhat	Not too	Not at all	: Obser-:u :vations:	setulnes: score	s: F :value 1/
	:		- Percent -	·	<u>all</u>	Number	Score	
Sex:	:		rereene			Number	30016	Value
Female	: 26	35	18	14	7	1,172	2.60	0.32
Male	: 26	36	14	18	6	213	2.58	
Age:	:							
Under 25	: 25	42	15	12	6	150	2.67	5.62**
25-34	: 28	37	17	11	7	327	2.69	
35-49	: 31	30	17	15	7	345	2.65	
50-64	: 27	37	16	15	5	351	2.67	
65 plus	: 15	35	19	19	13	215	2.19	
Education:	:							
Elementary or less	: 21	35	11	20	13	198	2.33	8.40**
Some high school	: 24	39	16	14	7	213	2.57	
High school	:				•	213	2.37	
- <u>.</u> .	: 23	33	24	13	7	485	2.50	
Vocational or	:	33	- '	13	,	403	2.30	
	: 27	38	15	15	5	279	2.68	
	: 30	35	12	9	4	201	2.98	
	. 50 :	33	12	,	4	201	2.90	
Yes	: 27	36	19	13	5	610	2.68	4.91*
	. 27 : 25	35	16	15	9	769	2.52	4.91.
D .1 .	. 2J	33	10	13	9	769	2.32	
	: 21	35	17	10	0	10/	2 //	2 / 04
	: 21 : 26	35 39	17	19	8	184	2.44	2.40*
\$10,000-\$9,999			14	14	7	254	2.64	
	: 22	39	19	13	7	263	2.57	
	: 31	32	17	15	6	295	2.66	
	: 37	33	13	10	7	144	2.84	
1076	:							
Higher	28	34	18	13	7	471	2.63	.53
About the same	23	39	19	14	5	449	2.59	
Lower	28	34	14	16	8	437	2.58	
Per capita household	1							
income:	:							
Under \$2,000	: 29	33	15	16	7	186	2.61	.38
	: 25	39	16	12	8	319	2.63	• 50
	25	35	20	12	8	343	2.56	
4- 444	30	36	13	16	5	291	2.69	
'	:		13	10	,	271	2.07	
1 :	20	33	16	20	11	240	2.31	5.91**
2	26	35	17	15	7	423	2.58	3.71
3 to 4	28	36	19	12	5	495	2.69	
5 or more		38	14	12	6			
Children:		30	14	12	U	230	2.73	
Yes		37	16	13	5	602	2.70	9.91**
No		34	18	16	8	763		9.91^^
Region:	4 -	J -1	10	10	0	703	2.50	
Northeast	30	34	16	10	7	205	2.60	5 1 C de de
North Central :	24	34 35	16 19	13	7	395	2.68	5.16**
South :	20	35 38		14	8	394	2.54	•
West :	34		18	16	8	366	2.44	
Community size:	34	35	14	12	5	233	2.81	
Large metro :	2.2	27	1 /	7.7	_			
Small metro :	32	34	14	14	6	525	2.72	5.30**
Nonmetro (rural) :	26 19	34 39	21 16	13 17	6 9	466	2.61 2.42	
						397		

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 17--Usefulness of name of manufacturer, by 11 demographic variables, 1977

		Us	sefulness		Not at	: : Average : : Obser-:usefulness: F			
Demographic variables	Extremely	Very	Somewhat	Not too	all	: vations:	score	:value 1	
			Percent -			Number	Score	Value	
Sex:	}							3.38	
Female	: 23	30	29	14	4	1,202	2.55	3.30	
Male	22	28	28	15	7	214	2.42		
Age:	;							, 2044	
Under 25	: 17	26	37	18	2	153	2.36	4.72**	
	: 18	28	33	17	4	334	2.38		
	27	30	29	11	3	347	2.66		
	25	32	25	14	4	359	2.59		
65 plus	25	33	20	13	9	225	2.53		
Education:									
Elementary or less	20	34	23	16	7	210	2.45	1.36	
•	· 25	34	23	14	4	222	2.61		
•	. 23	J-	23		,				
High school	24	29	29	14	4	494	2.54		
graudate	. 24	29	2)	14	7	,,,			
Vocational or	:	21	25	1.4	4	282	2.60		
some college	: 26	31		14		203	2.38		
College graduate	: 17	23	43	14	3	203	2.30		
Employment:	:		0.7		_	617	2.45	4.43*	
Yes	: 20	30	31	14	5		2.59	7.45	
No	: 25	30	26	14	5	793	2.33		
Family income:	:						2 27	1.94	
Under \$5,000	: 19	31	25	18	7	197	2.37	1.74	
\$5,000-\$9,999	: 23	33	23	15	6	258	2.50		
\$10,000-\$14,999	: 25	23	33	17	2	265	2.52		
\$15,000-\$24,000	: 22	26	33	16	3	301	2.48		
\$25,000 or more	: 22	37	28	9	4	143	2.65		
Change in income,	:								
1976 versus 1975:	:								
Higher	: 19	31	30	15	5	486	2.45	1.35	
About the same	: 25	34	24	12	5	444	2.62		
Lower	: 24	26	31	15	4	459	2.51		
	-				•				
Per capita household	•								
income:	: 20	30	25	21	4	196	2.40	.67	
Under \$2,000		30	26	14	6	330	2.53		
1-, 1-,	: 24		31	15	3	345	2.51		
7 . , 0 0 0 1 - ,	: 22	29				293	2.51		
\$7,000 or more	: 22	28	33	13	4	293			
Household size:	:		20		0	249	2.40	1.23	
1	: 21	26	32	13	8		2.53	2123	
2	: 24	31	25	14	6	431	2.53		
3 to 4	: 22	32	29	15	2	501			
5 or more	: 24	28	30	16	2	237	2.55		
Children	:						0.50	0	
Yes	: 23	29	30	15	3	617	2.52	U	
No	: 23	31	27	14	5	778	2.52		
Region:	:							·	
Northeast	: 22	31	32	13	2	397	2.56	3.51*	
North Central	: 22	32	31	10	5	403	2.58		
South	: 25	32	22	15	6	380	2.56		
West	: 23	22	27	22	6	238	2.33		
Community size:	•				-				
Large metro	: 25	28	31	13	3	525	2.60	3.02	
	: 23	27	28	16	6	476	2.46		
Small metro	: 20	35	26	15	4	417	2.50		
Nonmetro (rural)	. 20	رر	20	1,5	7				

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 18--Usefulness of drained weight of canned food, by 11 demographic variables, 1977

Domographic	:	ι	Jsefulness			: :	Average	
Demographic variables	Extremely	: Very	: Somewhat	Not too		t: Obser-:u		
	:	:,		:	: all	· · · · · · · · · · · · · · · · · · ·	score	:value 1/
Sex	:		Percent			Number	Score	<u>Value</u>
Female	: : 19	26	20	0.0				
Male		26	22	23	10	1,193	2.20	1.36
Age:	: 18	27	17	23	15	215	2.11	
Under 25	: 14	29	20	25	12	156	2 00	2 20*
25-34	: 18	26	25	23	8	156 329	2.09 2.23	3.29*
0 = 10	: 23	27	18	20	12	347	2.30	
50-64	: 23 : 21	26	21	23	9	347 357	2.27	
65 plus	: 15	22	20	27	16	223	1.92	
Education:	• 15	22	20	21	10	223	1.72	
Elementary or less	: 18	22	23	23	14	204	2.07	2.74*
	: 20	31	21	19	9	222	2.35	2.74"
*** 1 1 1	: 20	31	21	19	,	222	2.33	
	: 18	24	21	25	12	493	2.10	
***	: 10	24	21	23	12	473	2.10	
	• • 23	24	21	23	9	281	2.27	
	: 19	33	18	21	9	203	2.31	
Employment:	• • •	33	10	21	,	203	2.31	
Yes	: 19	28	21	22	10	617	2.22	.41
No	: 20	24	20	24	12	786	2.17	.41
Family income:	•	27	20	24	12	700	2.17	
Under \$5,000	: 16	26	19	28	11	194	2.08	.72
\$5,000-\$9,999	: 16	29	22	24	9	255	2.20	. / 2
	: 22	27	19	22	10	264	2.27	
415 000 101	: 19	26	24	22	9	300	2.23	
40= 000	: 21	26	22	21	10	142	2.25	
Change in income,	:			21	10	172	2.23	
1976 versus 1975:	• •							
Higher	: 19	25	23	23	10	483	2.22	.10
About the same	17	25	24	23	11	443	2.14	•10
Lower	21	27	17	23	12	454	2.21	
Per capita household				23		737	2.21	
income:								
Under \$2,000	24	23	19	24	10	194	2.28	.12
\$2,000-\$3,999	: 15	29	22	26	8	325	2.17	• 12
\$4,000-\$6,999	: 19	24	23	22	12	345	2.17	
\$7,000 or more	: 19	30	20	22	9	291	2.27	
Household size:	1				•	-71	/	
1	: 16	26	16	25	16	248	1.99	3.86**
2	18	26	20	24	12	430	2.15	3.00
3 to 4	20	26	23	22	9	498	2.27	
5 or more	24	25	22	20	9	235	2.33	
Children: :	:				-	_33		
Yes :	21	26	22	22	9	610	2.28	5.03*
No :	18	26	20	23	13	776	2.12	3.03
Region: :						,,,		
Northeast :	20	29	18	21	12	392	2.25	1.8
North Central :	17	26	21	25	11	406	2.14	2.0
South :	17	26	23	22	12	376	2.13	
West :	25	21	20	24	10	236	2.28	
Community size: :				-	-			
Large metro :	21	26	19	21	13	521	2.21	.36
Small metro :	20	24	23	22	11	475	2.21	. 50
Nonmetro (rural) :	16	28	21	26	9	415	2.15	
:								

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 19--Usefulness of whether frozen food products have thawed at any time before purchase, by 11 demographic variables, 1977

Demographic .	·		sefulness	•		:	Average	: s: F	
variables	Extremely	Very	Somewhat	Not too	Not at	: Ubser-:u			
		 -	Percent			Number	Score	Value	
Sex:	:					NGMDC1	bcore		
Female	62	25	7	4	2	1,193	3.40	10.32**	
Male	54	27	7	7	5	211	3.17		
Age:	:								
Under 25	: 59	27	6	3	5	155	3.32	8.25**	
25-34	: 66	23	7	3	1	328	3.51		
35-49	65	24	5	4	2	346	3.46		
50-64	: 60	25	8	4	3	354	3.36		
65 plus	: 46	32	8	8	6	2.25	3.05		
Education:	:	-							
Elementary or less	44	27	12	11	6	203	2.92	16.78**	
Some high school	52	32	6	4	6	223	3.19		
High school			•	•	Ü		3,12,		
graduate	: 64	24	7	3	2	492	3.45		
Vocational or	. 07	27	,	,	2	472	3.43		
some college	71	21	4	3	1	280	3.59		
9				3					
	: 65	26	5	3	1	202	3.51		
Employment:	:	26		•	-	(10	0 17	11 7051	
Yes	: 64	26	6	3	1	613	3.47	11.70**	
No	: 58	25	7	6	4	786	3.28		
Family income:	•								
Under \$5,000	: 47	28	11	10	4	191	3.02	14.41**	
\$5 , 000 - \$9 , 999	: 56	31	8	2	3	257	3.37		
\$10,000-\$14,999	: 67	24	6	2	1	265	3.55		
\$15,000-\$24,999	: 69	24	4	1	2	296	3.58		
\$25,000 or more	: 73	20	1	3	3	141	3.56		
Change in income,	:								
1976 versus 1975:	:								
	: 60	27	6	4	3	482	3.36	2.95	
	: 55	28	9	5	3	438	3.26		
Lower	: 67	22	5	3	3	455	3.46		
Per capita household		~-	-	_	•				
income:	•								
	• • 56	24	12	6	2	192	3.27	3.45*	
		28	6	4	3	328	3.36	3.43	
1-, 1-,			6	3	2	339	3.47		
7 .,000 70,222	: 64	25 25	3	2	2	292	3.56		
1.1	: 68	25	3	2	2	292	3.30		
· · · · · · · · · · · · · · · · · · ·	:	20		,	5	240	2 11	8.27**	
_	: 49	29	11	6		248	3.11	0.2/ **	
2	: 59	28	6	4	3	428	3.36		
	: 65	24	5	4	2	497	3.46		
5 or more	: 66	21	7	4	2	234	3.43		
	:		_	_	_			F F74	
	: 65	22	6	4	3	608	3.43	5.57*	
	: 57	28	7	4	4	7 7 5	3.31		
0	:								
	: 62	25	7	3	3	397	3.42	4.98**	
North Central	: 63	25	5	5	2	401	3.43		
South	: 53	29	9	5	4	373	3.23		
West	: 64	20	8	4	4	236	3.37		
Community size:	:								
<u> </u>	: 64	20	7	5	4	523	3.37	1.75	
_	: 61	27	6	4	2	470	3.41		
Nonmetro (rural)	: 55	30	8	5	2	414	3.31		

 $[\]underline{1}/$ F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 20--Usefulness of USDA grade on all canned or frozen fruits and vegetables, by 11 demographic variables, 1977

Demographic	:	t	sefulness			: :		:
variables	Extremely	Very	Somewhat	Not to			u sefu lnes	s: F
	•	: ::		:	o: all	:vations:		:value 1/
Sex:	:		- <u>Percent</u>			Number	Score	Value
Female	: 33	38	17	9	3	1,191	2.88	10 7244
Male	: 25	36	16	16	7	214	2.56	18.73**
Λge:	:	•		10	,	214	2.30	
Under 25	: 34	38	20	4	4	156	2.91	2 0044
25-34	: 30	35	22	9	4	329	2.77	3.99**
35-49	: 33	39	15	10	3	349	2.39	
50-64	: 34	40	14	10	2	353	2.92	
65 plus	: 28	36	13	16	7	220	2.61	
Education:	:		13	10	,	221)	2.01	
Elementary or less	: 29	29	19	17	6	208	2 50	2 (544
Some high school	: 32	44	12	6	6	200	2.59	3.65**
High school	:	• •	12	Ü	O	220	2.91	
graduate	: 34	38	15	10	3	493	2 01	
Vocational or	:		* 2	10	,	493	2.91	
some college	: 35	35	13	9	3	279	2.88	
College gradua t e	: 24	41	21	10	4	193	2.72	
Employment:	:	-		1.7	••	190	212	
Yes	: 30	36	19	11	4	61.6	2 76	5 061
No	: 33	39	15	9	4	783	2.76	5.06*
Family income:	:	,	13	,	4	70)	2.98	
Under \$5,000	: 29	37	18	12	4	196	2 75	2 01
\$5,000-\$9,999	: 36	34	13	14	3	256	2.75	2.04
\$10,000-\$14,999	: 28	43	13	3	3		2.37	
\$15,000-\$24,999	: 3 2	37	19	8	4	26 6 297	2.85	
\$25,000 or more	: 36	44	14	5	1		2.86	
Change in income,	:	77	14	,	1	139	3.08	
1976 versus 1975:	:							
Higher	: 31	37	1 9	10	3	481	2 02	00
About the same	: 30	42	15	10	3	437	2.82 2.84	.09
Lower	: 35	35	16	11	3	457	2.86	
Per capita household	:	33	10	1.1	J	437	2.86	
income:	:							
Under \$2,000	: 37	34	19	8	2	194	2 04	7.0
\$2,000-\$3,999	; 30	38	16	12	4	327	2.94	.73
\$4,000-\$6,999	: 32	39	17	9	3	343	2.79	
\$7,000 or more	: 31	41	16	g g	3	289	2.89	
Household size:	:			*	,	209	2.88	
1	: 26	35	16	1 5	3	246	2 55	0 (144
2	: 32	38	15	12	3	429	2.55 2.83	8.64**
3 to 4	: 33	40	17	7	3	429 498		
5 or more	: 35	35	20	, 3	2		2.92	
Children:	:		Ε,		2	234	2.92	
Yes	: 32	38	19	3	3	608	2.00	2.14
No	: 30	38	15	12	5	774	2.88	3.14
legion:	:	_	4.5	12	J	774	2.78	
Northeast	: 30	38	16	12	4	207	0 70	
North Central	: 28	39	20	9	4	394	2.79	1.39
South	: 35	39	14	8	4	398	2.79	
West	: 34	33	16	13	4	378	2.93	
Community size:	:	,,	3.07	1.)	4	237	2.81	
Large metro	: 34	34	17	11	4	501	2 05	
Small metro	: 31	42	14	10		521	2.85	1.92
Nonmetro (rural)	: 28	37	20	10	3 5	475 411	2.89	
,,	•	٠.	20	10	J	411	2.74	

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 21--Usefulness of whether fresh fruits and vegetables have a wax of preservative coating, by 11 demographic variables, 1977

Demographic	:	Usefulness				: : Average : ot_at : Obser-:usefulness: F				
Demographic variables	Extremely	Very	Somewhat	Not too	:Not at	: Obser-:u :vations:	sefulness: score :	:value 1/		
	:		:	<u>:</u>	<u>:</u>					
_	:		Percent -			Number	Score	Value		
DCA.	: : 24	28	18	20	10	1,178	2.38	1.68		
remare		35	16	21	11	210	2.27	1.00		
riate	: 17	3)	10	21	11	210	2.21			
Age:	:		0.0	20	5	154	2.46	6.37**		
Under 25	: 24	28	23	20		325	2.38	0.57		
25-34	: 23	30	19	19	9					
35-49	: 27	31	16	17	9	344	2.49			
50-64	: 26	28	17	20	9	350	2.41			
65 plus	: 14	28	16	27	15	218	1.99			
Education:	:							7 (1 4 4		
Elementary or less	: 15	23	19	29	14	200	1.96	7.41**		
Some high school	: 26	24	17	23	10	216	2.33			
High school	:									
graduate	: 22	32	17	21	8	491	2.37			
	• 22	32								
Vocational or	• • 26	33	16	16	9	279	2.52			
some college		32	19	15	7	200	2.58			
College graduate	: 27	32	19	13	,					
Employment:	:	0.1	10	19	9	604	2.37	.02		
Yes	: 22	31	19			779	2.36			
No	: 25	28	16	21	10	119	2.50			
Family income:	:			a =	1.0	1.00	2 10	2.64*		
Under \$5,000	: 19	28	16	27	10	189	2.18	2.04.		
\$5,000-\$9,999	: 25	30	15	21	9	257	2.40			
\$10,000-\$14,999	: 25	32	14	19	10	258	2.43			
\$15,000-\$24,999	: 21	31	23	17	8	294	2.39			
\$25,000 or more	: 27	33	15	18	7	142	2.56			
Change in income,	:									
1976 versus 1975:	•									
Higher	: 24	30	18	20	8	476	2.42	.39		
•	: 22	29	19	20	10	431	2.34			
About same	: 23	29	16	20	12	454	2.33			
Lower	_	23	10	20						
Per capita household										
income:	:	27	15	23	10	191	2.32	.58		
Under \$2,000	: 25	27	15		8	323	2.40			
\$2,000-\$3,999	: 22	33	18	19		340	2.36			
\$4,000-\$6,999	: 24	29	16	20	11					
\$7,000 or more	: 23	33	19	19	6	286	2.47			
Household size:	:					242	0 10	5.43**		
1	: 16	30	17	26	11	242	2.13	3.43**		
2	: 23	27	17	23	10	420	2.31			
3 to 4	: 25	32	18	17	8	498	2.49			
5 or more	: 25	29	19	16	11	232	2.43			
Children:	:	-								
Yes	: 25	30	19	17	9	606	2.46	7.16**		
	: 22	28	17	23	10	762	2.27			
No	. 22	20	1,							
Region:	. 27	30	19	16	8	393	2.51	4.36**		
Northeast	: 27	29	18	22	9	399	2.31			
North Central	: 22			25	10	366	2.19			
South	: 17	30	18		11	234	2.46			
West	: 29	28	16	16	11	۷.)+	2.70			
Community size:	:	~ -	• /	10	10	522	2.50	8.62**		
Large metro	: 30	26	16	18	10		2.40	0.02		
Small metro	: 21	34	17	19	9	464	2.40			
Nonmetro (rural)	: 16	28	21	26	9	404	∠.⊥⊃			

^{1/} F values significant at 0.05 level are indicated by *, and F values significant at 0.01 level are indicated by **.

Appendix table 22--Questionnaire completion rates and reasons if questionnaires were not completed

Item		: 1976			1977		
	: <u>N</u> 1	umber	Percent		Number	Percent	
Total eligible households	: : 1 :	, 966	100.0		1,985	100.0	
Known eligible households:	:						
Questionnaires completed	: 1	, 417	72.0		1,433	72.2	
Refusals	:	232	11.8		297	15.0	
Questionnaires completed but returned too late	:	15	.7		7	. 4	
Respondent not at home	:	18	• 9		8	. 4	
Other (illness, language problem, etc.)	:	42	2.1		18	.9	
Unknown eligible households:	:						
Not at home	:	155	7.8		130	6.6	
Households not contacted (could not get in, areas were too	:						
dangerous, and interviewer error)	:	87	4.4		92	4.6	

Appendix table 23--Questionnaire completion rates by geographic region, 1976, 1977

	: 1976				1977				
Item	: Total eligible : Questio : households : comp		nnaires leted	: Total eligible : Questionnaire: households : completed					
	<u>Number</u>	Number	Percent		Number		Number	Percent	
Total sample Northeast <u>l</u> / North Central	: : 1,966 : 525 : 552	1,417 354 406	72.1 67.4 73.6		1,985 576 548		1,433 407 376	72.2 70.7 68.6	
South West	: 549 : 340	424 233	77.2 68.5		500 361		394 256	78.8 70.9	

^{1/} Maryland, District of Columbia, and some northern Virginia counties were included in the Northeast region in calculating response rates, and in the analysis of survey household data.

Appendix table 24--Questionnaire completion rates by type of community, 1976, 1977

	:	1976		: 1977				
Item	: Total eligible : Questionnaires		nnaires	: Total eligible	: Questionnaires			
	households	: completed		: households	: completed			
	:					_		
	: Number	Number	Percent	Number	Number	Percent		
	:					700		
Total sample	: 1,966	1,417	72.1	1,985	1,433	72.2		
SMSA of 1	:							
million or	:			016	605	(7.1		
more persons	: 856	567	66.2	946	635	67.1		
SMSA under 1	•							
million per-	:							
sons and	:							
urban areas	•							
of non-		5 2 7	72.2	702	527	75.0		
SMSA	: 733	537	73.3	703	327	73.0		
Rural, non-	:	212	02.0	226	271	80.6		
SMSA	: 377	313	83.0	336	271	00.6		
	:							

^{*}U.S. GOVERNMENT PRINTING OFFICE: 1979 0-310-945/ESCS-182